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cables

pro series

Industrial / Power / Data / Security / Fibre

Garland's Pro Series range is the experts' choice for high quality cables.

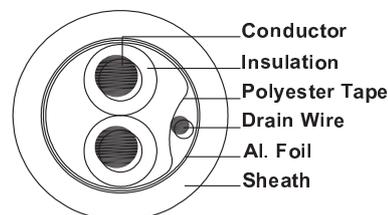
Part No: MCP7031S

Description	Stranded 20AWG PACW, Single Twisted Pairs, V-90HT PVC Insulated, Aluminium Polyester Overall Screen, TACW 22AWG Drain Wire, 5V-90 PVC Sheath.
Applicable Standards	AS/NZS 1125 , AS/NZS 3808 , IEC60332-1
Suitable Applications	Instrument and control cable for use in industrial applications including the interconnection of signals between cabinets, consoles, sensors and display panels. Can also be used for carrying low bit rate data signals.
	Not suitable for direct connection to mains voltages.

Cable Construction Drawing



Cable Construction Relative Parts



Instrumentation Cable

Cable Description

Conductor	AWG	Standing	Area(mm ²)	Diameter(mm)	Material
	20	7/0.30	0.5	0.91	PACW
Insulation	Pair : 1 Material : V-90HT PVC Colour : Black & White wires form a Pair. Pair nos. printed on each pair for identification Nominal Thickness (mm) : 0.3 Nominal OD (mm) : 1.6				
Screen	Material: Al. Polyester Tape		Coverage: 100%		
Drain Wire	AWG	Standing	Area(mm ²)	Diameter(mm)	Material

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	22	7/0.25	0.34	0.76	TACW
Sheath	Material : 5V-90 PVC Colour : Black Nominal Thickness (mm) : 0.6 Nominal OD (mm) : 4.7				

Electrical Properties

Max. Conductor DC Resistance @ 20°C	38.4Ω/km
Mon. Impedance @ 1KHz	380ohm
Max. Capacitance Core to Core @ 1KHz	85pF/m
Max. Inductance @ 1KHz	1.1μH/m
Max. Current Rating	3A
Suggest Voltage Rating	110a.c/150d.c

Mechanical Properties

Operating Temperature Range	-15 to 90°C
Max. Recommended Pulling Tension	60N
Min. Bend Radius (install)	47mm
Approximate Mass	3.1kg/100m
Sheath Printing	GARLAND 1PAIR 0.5mm ² INSTRUMENTATION CABLE MCP7031S - MM/YYYY - "Mmark"

Supply Information

Pack Size	Pack Type	Dimensions	Qty Per Carton	Cartons Per Pallet
100m	Plastic Reel	10 x 4.5 x 3"	4R	
500m	Wooden Reel	W33 x H21.8cm	1R	

- Madison reserves the right to make changes to the products described in this specification without prior notice
- All values subject to factory tolerances

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